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THE JOHNS HOPKINS UNIVERSITY  
BALTIMORE

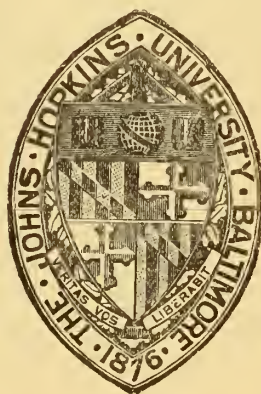
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# CONFERRING OF DEGREES

AT THE CLOSE OF THE FIFTY-FIRST ACADEMIC YEAR

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JUNE 14, 1927



IN THE LYRIC THEATRE

AT 4 P. M.

## MARSHALS

Professor DAVID M. ROBINSON

*Chief Marshal*

## *Aids*

Professor THOMAS R. BROWN

Dr. R. T. ABERCROMBIE

Professor W. O. WEYFORTH

Professor J. T. THOMPSON

Professor FLORENCE E. BAMBERGER

Professor G. L. HUNNER

Professor W. W. FORD

Professor G. H. CARTLEDGE

## USHERS

DONALD W. WHITE

*Chief Usher*

THOMAS NICHOLS BIDDISON

JOHN WILLIAMS BOYNTON

WILLIAM EVITT CONEY

LOUIS KNEPP KALLMYER

RALPH KIRKLEY

JOHN HEYER LAWRENCE

J. HAMMOND MALLERY

C. GARDNER MALLONEE

CHARLES WILLIAM McELFRESH

I. EVANS RODGERS

CHARLES JAMES ROHR

ROBERT HALL ROY

OSMAR PAUL STEINWALD

GEORGE B. P. WARD

HARRY RIDGELY WARFIELD, JR.

# ORDER OF EXERCISES

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## I

### ACADEMIC PROCESSION

Grand March from "Tannhäuser"—*Wagner*

## II

### INVOCATION

The Right Reverend EDWARD T. HELFENSTEIN  
Bishop Coadjutor of Maryland

## III

### MUSIC

Angelus from suite "Scènes Pittoresques"—*Massenet*

## IV

### ADDRESS

Acting President AMES

## V

### CONFERRING OF DEGREES

Bachelors of Arts, presented by Professor FRENCH  
Bachelors of Engineering, presented by Professor GREGORY  
Bachelors of Science in Chemistry, presented by Professor GREGORY  
Bachelors of Science in Economics, presented by Professor HOLLANDER  
Bachelors of Science, presented by Professor FRENCH  
Proficients in Public Health, presented by Professor HOWELL  
Masters of Electrical Engineering, presented by Professor GREGORY  
Masters of Arts, presented by Professor MILLER  
Doctor of Engineering, presented by Professor GREGORY  
Doctors of Public Health, presented by Professor HOWELL  
Doctors of Science in Hygiene, presented by Professor HOWELL  
Doctors of Medicine, presented by Dean WEED  
Doctors of Philosophy, presented by Professor MILLER

## VI

PRESENTATION OF COMMISSIONS IN THE OFFICERS' RESERVE CORPS

## VII

### PRESENTATION OF PORTRAITS OF

Professor ETHAN ALLEN ANDREWS  
Professor HENRY VAN PETERS WILSON,  
of the University of North Carolina  
and of

Professor HERMANN COLLITZ  
Professor EDWARD HENRY SEHRT,  
of George Washington University

## VIII

### ANNOUNCEMENTS

THE ACTING PRESIDENT OF THE UNIVERSITY

## IX

### MUSIC

"America"—Arrangement by *Gustav Strube*

## X

### BENEDICTION

# CANDIDATES FOR DEGREES

## BACHELORS OF ARTS

JACOB ALBERT ABRAHAM, of Pennsylvania	H. VERNON LANGELOTTIG, of Maryland
WILLIAM FALCONER BAIRD, JR., of Maryland	PHILIP FRANK LERNER, of Maryland
BLAINE FRANKLIN BARTHO, of Pennsylvania	OLLIE COOPER LEVINE, of New Jersey
SAMUEL BASS, of Maryland	MORTON LEVINSTEIN, of Maryland
MAXWELL DAVID BERMAN, of Georgia	NELSON BERNARD LISANSKY, of Maryland
SAMUEL SIDNEY BERNSTEIN, of Michigan	WILLIAM FRANCIS LOGAN, of Maryland
WILLIAM KAYHART BOOTH, of New Jersey	DAVID LOVETT, of Maryland
JAMES CARRINGTON BROWN, JR., of Maryland	CHARLES RICHARD MARTIN, JR., of Maryland
ROBERT LEE BULL, JR., of Maryland	THOMAS FLUHARTY MCNEAL, of Maryland
MAXWELL CONE, of Maryland	CHARLES MINDEL, of Maryland
ELI CONTRACT, of Maryland	MEYER MINDEL, of Maryland
FRANKLIN DE LANY COOLEY, of Maryland	EARL ALBERT NIELSON, of Connecticut
CHARLES HOWARD DORSEY, JR., of Maryland	ISAAC NOYES NORTHUP, of Maryland
WALLACE GRIFFITHS DRUMHELLER, of Pennsylvania	EUGENE O'DUNNE, JR., of Maryland
ROSS FRASER EADIE, of New York	LINCOLN ORENS, of New York
RALPH VEEDER EHLE, of Maryland	CHARLES FORD REESE, of Virginia
THEODORE G. FISCHER, of New York	SIDNEY ROBBIN, of New York
SIDNEY FRIEDMAN, of Maryland	HYMAN SHAPIRO, of Maryland
ROBERT WILLIAM GARIS, of Maryland	MOSES SAMUEL SHILING, of Maryland
WILLIAM GRIGGS GASSAWAY, of Maryland	SHIRLEIGH SILVERMAN, of Maryland
ALBERT LE ROY GLANTZ, of Maryland	ARTHUR GEORGE SIWINSKI, of Maryland
DANIEL NATHANIEL GOLDBERG, of Maryland	NORMAN JEROME SMALL, of Maryland
ISADORE GROSSMAN, of Maryland	SOLOMON SMITH, of Maryland
RICHARD HENRY GUGGENHEIMER, of New York	AARON CECIL SNYDER, of Maryland
HUGH KENNETH HALLER, of Maryland	BRINTON HARVEY STONE, of Maryland
LESLIE ALEXANDER SHIFLER HARRIS, of Maryland	WILLIAM HENRY SUCHTING, JR., of Maryland
GEORGE HEBNER, JR., of Maryland	HOWARD DAVIS TODD, of Texas
REUBEN HOFFMAN, of Maryland	ARNOLD ELZEY WATERS, JR., of Maryland
MARK BUCKNER HOLLANDER, of Maryland	HYMAN WEINER, of Maryland
ARTHUR HOWARD HUGHES, of Maryland	GEORGE LOUIS WELLER, JR., of the District of Columbia
CLARENCE ISRAEL ISAACS, of Maryland	NORMAN LESTER WETZLER, of Maryland
JAMES HENRY JARRETT, JR., of Maryland	GEORGE EDWARD WILCOXON, JR., of Maryland
PAGE COVINGTON JETT, of Maryland	VERNON BLAIR WINCHESTER, of Maryland
SIDNEY KOBRE, of Maryland	CHANG-KENG WU, of China
JEROME LEON KRIEGER, of Maryland	JACOB YERUSHALMY, of Maryland

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## HONOR LIST

RALPH VEEDER EHLE, of <del>New York</del> <i>Maryland</i>	DAVID LOVETT, of Maryland
HUGH KENNETH HALLER, of Maryland	HYMAN SHAPIRO, of Maryland
ARTHUR HOWARD HUGHES, of Maryland	SHIRLEIGH SILVERMAN, of Maryland
MORTON LEVINSTEIN, of Maryland	NORMAN JEROME SMALL, of Maryland
AARON CECIL SNYDER, of Maryland	

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## BACHELORS OF ENGINEERING

CHARLES FREDERICK BOHNET, of Maryland	CHARLES RANDOLPH LOWMAN, of Maryland
PAUL ARTHUR COHEN, of Virginia	THOMAS HENRY MAGNESS, Jr., of Maryland
CHARLES ASHMORE CONKLIN III, of Maryland	LAWRENCE OFFUTT MCCORMICK, of Maryland
ROY ALBERT CORBY, of Pennsylvania	ROY VERNON MILLS, of Maryland
CHARLES FENDALL CUSHING, of Maryland	SERGEI DIMITRIEVICH MITEREFF, of Russia
ROBERT CARSON DALZELLE, of Maryland	CHARLES HENRY MUIR, Jr., of Maryland
LITTELL EVERITTE DEWLING, of Maryland	JOHN ALFRED MYERS, of Maryland
HERMAN HENRY ELLERBROCK, Jr., of Maryland	JOHN JOSEPH O'CONOR, of Maryland
WILLIAM JOSEPH ENEY, of Maryland	LOUIS MURRAY RAWLINS, Jr., of Maryland
NORMAN GEORGE FEIGE, of Maryland	LEON ROBINSON, of Maryland
EDWARD PEYTON FITZGERALD, of Maryland	FRANK NEWCOMER SANDS, Jr., of Maryland
GILMAN GRANGER GOODRICH, of Maryland	WILLARD CROMWELL SAYLOR, of Maryland
SENATOR WILSON GORRELL, Jr., of Maryland	CHARLES EARL SCHISSLER, of Maryland
JAMES NELSON JACKSON, of Maryland	LUTHER MILES SCHULZE, of Maryland
HENRY OLIVER JARVIS, of Maryland	ANATOLI CONSTANTINOVITCH SELETZKY, of Russia
JOHN GODFREY JORY, of Maryland	CARL FREDERICK STISSEL, of Maryland
WILLIAM SAPPINGTON KNIGHTON, of Maryland	ALLEN EDGAR VIVELL, of Maryland
HUBERT KREKEL, Jr., of Maryland	ERNEST GRANT WHITNEY, of Maryland
HOWARD MCCORD ZIMMERMAN, of Maryland	(37)

### HONOR LIST

<i>Civil Engineering</i>	<i>Electrical Engineering</i>	<i>Mechanical Engineering</i>
WILLIAM JOSEPH ENEY	JOHN ALFRED MYERS	CHARLES FENDALL CUSHING
HOWARD MCCORD ZIMMERMAN	ALLEN EDGAR VIVELL	SERGEI DIMITRIEVICH MITEREFF

## BACHELORS OF SCIENCE IN CHEMISTRY

ALOYSIUS EFFINGHAM BOWLING, of Maryland	LARKIN HUNDLEY FARINHOLT, of Maryland
WALTER SINDALL DAWKINS, of Maryland	JAMES ALBERT MITCHELL, of Maryland
LESTER EUGENE DAY, of Maryland	NORMAN DOUGLASS SCOWE, of Maryland
ROBERT CANTEY WHITE, of Maryland	(7)

### HONOR LIST

JAMES ALBERT MITCHELL	ROBERT CANTEY WHITE
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## BACHELORS OF SCIENCE IN ECONOMICS

ALEXANDER EUGENIEVITCH BEZSMERTNY, of Russia	PHILIP AUGUSTUS HANIGAN, Jr., of Maryland
BENJAMIN LEE BIRD, of Maryland	GREGORY GRY-GRY JOOPANENKO, of New York
WILLIAM ALTON BORTNER, of Maryland	DONALD CALVER NILES, of Maryland
WALTER STEVENS BROENING, of Maryland	EDWARD MAGRUDER PASSANO, of Maryland
EDWARD ROBINSON FENIMORE, of Maryland	FRANK WILLIAM PHILLIPS, of Maryland
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## BACHELORS OF SCIENCE

STELLA HANNAH BAMBERGER, of Maryland	EMILY AGNES MARSHALL, of Maryland
MARY STANSBURY BRAUN, of Maryland	GLADYS BRAGG McLEAN, of Maryland
RICHARD THOMAS BROWN, JR., of Maryland	MARGARET JUNKIN PRESTON, of Maryland
PETER ARCHIBALD CARMICHAEL, of Maryland	CECILIA CHARLOTTE PRINCE, of Maryland
ISABEL DAWSON, of Maryland	HELEN ANNA SCHUOLER, of Maryland
MIRIAM DEWALD, of Maryland	ESTHER BELLE SHAFER, of Maryland
GLADYS MARY DRYDEN, of Maryland	STELLA LEE SLOCUM, of Maryland
HELEN ELIOT GANS, of Maryland	LOUISE CLAY SMITHER, of Maryland
ROBERTA GOLDSBOROUGH GLOVER, of Maryland	SAMUEL ISAAC SPECTOR, of Maryland
DOROTHY MARGARET HERBST, of Maryland	THEA STINCHCOMB, of Maryland
MINOR COOPER KEITH JONES, of Maryland	ELAINE FRANCESCA UGHETTA, of Maryland
ISABEL LAZARUS, of Maryland	THOMAS AUGUSTUS VAN SANT, JR., of Maryland
BEATRICE DOROTHY LEVIN, of Maryland	LUCY MARGARET WAGENER, of Maryland
MARY ETHEL MAGINNIS, of Maryland	CHARLOTTE FREDERICA WHEATLEY, of Maryland

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## RECIPIENTS OF CERTIFICATES IN PUBLIC HEALTH

ION ALEXA, of Roumaina, M.D. University of Iasi 1922	WILFRED ALOYSIUS NICHOLAS, of Straits Settlement, L.M.S. and M. King Edward VII College of Medicine, Singapore 1924
ION CIOCARLAN, of Roumania, M.D. University of Bucharest 1921	HENRY CROZIER RICKS, of Oklahoma, M.D. Emory University 1916
HERBERT AUGUSTUS DIRCKZE, of Ceylon, L.M. and S. Ceylon Medical College 1924; L.R.C.P. and S. Edinburgh and L.R.F.P. and S. Glasgow 1925	HARRY WILLIAM ROSENTHAL, of Maryland, M.D. University of Maryland College of Physicians and Surgeons 1914
CHARLES LAMBERT STANLEY FERDINANDS, of Ceylon, L.M. and S. Ceylon Medical College 1923; L.R.C.P. and S. Edinburgh and L.R.F.P. and S. Glasgow 1923	CHARLES WILLIAM STROWGER, of New York, M.D. New York Medical College and Flower Hospital 1906
CARL FRED JORDAN, of Iowa, A.B. University of Iowa 1914; M.D. Johns Hopkins University 1918	WINFIELD CAREY SWEET, of Illinois, S.B. Colgate University 1913; M.D. University of Chicago 1917
PAO ZANG KING, of China, M.D. Chiba Medical University 1918	ANTONIO VIDAL, of Honduras, B.Sc. e Lett. National Institute of Salvador 1915; M.D. National University of Salvador 1921
CHARLES KOENIG, of Ohio, M.D. Long Island College Hospital 1914	
GOLDSBOROUGH FOARD MCGINNIS, of Virginia, M.D. University of Virginia 1925	

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## MASTERS OF ELECTRICAL ENGINEERING

### WITH TITLES OF ESSAYS

JOHN ARNOLD SAUER, of Maryland, B.E. Johns Hopkins University 1925	JEROME JONES TAYLOR, of New York, B.S. in Electrical Engineering, Massachusetts Institute of Technology 1924
Railroad Electrification in the United States	Design and Construction of Thermionic Vacuum Tubes with Particular Reference to a Five-Kilowatt Air-Cooled Plotron

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## MASTERS OF ARTS

### WITH TITLES OF ESSAYS

BEATRICE ADAMS, of Louisiana, A.B. Newcomb College 1925. Political Economy	H. GORDON CHASSEAUD, of New York, S.B. Amherst College 1912. French
Hospitals and Clinics of New Orleans, Louisiana. A Survey	A Critical Edition of the <i>Francion</i> of Gillet de la Tessonerie
BESSIE BURNS BENNETT, of Maryland, S.B. Johns Hopkins University 1921; A.B. Davis and Elkins College 1923. French	ANNA DANTZIG, of Maryland, University of Paris 1907-10. French
A Critical Edition of Du Ryer's <i>Thémistocle</i>	A Comparative Study of Gautier's <i>Espana</i> and his <i>Voyage en Espagne</i>

- GRACE EAGER, of Illinois, A.B. Western College for Women 1924. Zoology  
The Function of the Trichocysts in Various Races of Paramecium
- JAMES M. EDMUNDS, of New York, A.B. University of Rochester 1925. English  
A Study of the Amoret story in the Third and Fourth Books of the *Faery Queene*
- MARY ELIZABETH FITTRO, of West Virginia, A.B. Salem College 1923. History  
Proposals for the Annexation of Canada to the United States
- IDA VIRGINIA FLOWERS, of Maryland, S.B. Johns Hopkins University 1923. Education  
The Duties of the Elementary School Principal
- WILLIAM ALTON HALLAM, of Pennsylvania, S.B. Washington and Jefferson College 1924. Mathematics  
Problems of Folk-Dancing. Case 1
- SISTER MARY CORDIA KARL, of Maryland, A.B. Hunter College 1916. Mathematics  
A Problem in Finite Differences
- ALFRED KING MITCHELL, of Virginia, A.B. Johns Hopkins University 1925. Mathematics  
On a Problem Considered by Schwarz
- WILLIAM KELSO MORRILL, of Maryland, A.B. Johns Hopkins University 1925. Mathematics  
Problems of Folk-Dancing. Case 2
- LUCIA MURCHISON, of South Carolina, A.B. Agnes Scott College 1922. Political Economy  
Baltimore's Policy with the Juvenile Gonorrheic—A Social Study of Fifty Clinical Cases
- CATHERINE LOUISE NORMAN, of Maryland, A.B. Trinity College (Washington) 1925. English  
Italian and English Renaissance Conceptions of the Courtier
- JOSEPH WILLIAM PETERS, of Maryland, A.B. Johns Hopkins University 1925. Mathematics  
The Lagrange Resolvents of the Triangle
- GERTRUDE E. REID, of Connecticut, S.B. Elmira College 1925. Political Economy  
A Study of Social Statistics for Baltimore City
- IVAN L. SCHULZE, of Maryland, A.B. Johns Hopkins University 1922. English  
Studies in Elizabethan and Jacobean Witchcraft
- CLYDE ALLEN SPICER, of Virginia, A.B. University of Richmond 1923. Mathematics  
The Groups of Transformations of Complete Four Points
- HELEN MERRYMAN STREETT, of Maryland, A.B. Salem College 1921. Political Economy  
Hospital and Dispensary Care for the Colored in Baltimore
- JOHN CAREY TAYLOR, of Maryland, S.B. Johns Hopkins University 1922. Education  
A Comparison of the Baltimore Evening High School Students with Those of the Day High Schools to Determine the Formers' Probability of Success in College
- LYRA TAYLOR, of New Zealand, LL.B. Victoria University College 1918. Political Economy  
Juvenile Court Diagnosis and Treatment of the Delinquent Girl
- MADELEINE WILHEMINA VAN HALL, of Massachusetts, A.B. Radcliffe College 1925. Political Economy  
A Study and Analysis of Domestic Difficulty Cases
- MILDRED CAROLINE SOMERSET WATERS, of Maryland, A.B. Goucher College 1924. Mathematics  
A Configuration of Six Rectangular Biquadratics
- HELEN WINE, of Delaware, A.B. Western Maryland College 1923. Political Economy  
A Study of the Intake of the Family Welfare Association.

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## DOCTOR OF ENGINEERING

- PAUL LEROY BETZ, of Maryland, B.E. Johns Hopkins University 1924. Electrical Engineering  
Comparison of Methods of Measuring Loss and Power Factor in Dielectrics, with Special Consideration of the Quadrant Electrometer

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## DOCTORS OF PUBLIC HEALTH

### WITH TITLES OF ESSAYS

- FRANCISCO RUIZ MOROTE, of Spain, L.M. Faculty of Medicine, Madrid 1918 and M.D. 1923  
Is the Frequency of Tubercular Infection Declining?  
A Study of the Frequency of Tuberculin Reactions in Dispensary Children in Baltimore in 1916 and 1926
- STARR ABNER MOULTON, of Massachusetts, M.D. Tufts College Medical School 1901  
Control of Fly Breeding in Manure in Army Camps
- JACINTO PEREZ, JR., of Nicaragua, B.Sc. National Institute of Leon 1916; M.D. University of Salvador 1925  
The Mosquitoes Reported from Nicaragua and the General Measure of their Control
- RAMON ELADIO RAMIREZ, of Porto Rico, M.D. University of Pennsylvania 1923  
The Relapse in Malaria Infection
- LUANG CHARN VITIVETAYA, of Siam, G.M. Chulalongkorn University 1915  
Studies on the Viability of Hook-worm Ova in Water Storage and when Treated with Lime and Sodium Hydroxide
- CLARK HARVEY YEAGER, of Pennsylvania, M.D. University of Pennsylvania, 1911; C.P.H. Johns Hopkins University 1927  
The Malarial Treatment of General Paralysis

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## DOCTORS OF SCIENCE IN HYGIENE

### WITH TITLES OF DISSERTATIONS

- HOWARD WILMOT ESTILL, of California, S.B. University of Arizona 1913, S.M. 1916. Chemical Hygiene  
Chemical Studies Directed toward the Isolation of the Fat-Soluble Vitamins A, D, and E
- BETTYLEE HAMPIL, of Texas, A.B. University of Texas 1916. Bacteriology  
A Study of the Bactericidal Properties of the Alkyl and Acyl Derivatives of Resorcinol
- MARY HARDY, of Maryland, A.B. Bryn Mawr College 1920. Physiological Hygiene  
The Effect of Measured Amounts of Ultra-Violet Radiation on the Blood Count of Normal Rabbits
- CLAY G. HUFF, of Indiana, A.B. Southwestern College 1924. Medical Entomology  
Studies on the infectivity of plasmodia of birds for mosquitoes, with special reference to the problem of immunity in the mosquito
- LABAN WINGERT LEITER, of Pennsylvania, A.B. Franklin and Marshall College 1914. Bacteriology  
A Study of the Availability of the Eijkman Fermentation Test at 46° C as an Aid in the Detection of Fecal Contamination of Water
- HENRIETTA MORRIS, of Maryland, A.B. Goucher College 1923. Chemical Hygiene  
A Study of the Possibilities of Modifying the Composition of Milk Proteins by Diet
- ANNIE MARTHA O'DONNELL, of Texas, A.B. University of Texas 1920 and A.M. 1922. Physiological Hygiene  
A Study of the Action of Ultra-Violet Light on Melanophores
- ETHELBERTA NORRIS RASK, of Maryland, S.B. Johns Hopkins University 1923. Physiological Hygiene  
The Photo-Dynamic Action of Hematoporphyrin
- JAMES ALLEN SCOTT, of New York, A.B. Wesleyan University 1922 and A.M. 1924. Helminthology  
Host Conditions of Hook-Worm Infestation; an Experimental Study with *Ancylostoma Caninum*
- SEPTIMA CECILIA SMITH, of Texas, A.B. University of Texas 1922 and A.M. 1923. Protozoology  
Host Parasite Relations between *Iodamoeba Williamsi* and Certain Mammalian Hosts
- SHAN-MING TAO, of China, A.B. Ginling College, Nanking 1921. Medical Entomology  
A Comparative Study of the Early Larval Stages of Some Common Flies.

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## DOCTORS OF MEDICINE

- CHARLES HALL ASHFORD, of North Carolina, A.B. University of North Carolina 1923
- BENJAMIN MAY BAKER, JR., of Virginia, S.B. University of Virginia 1922; A.B. Oxford University 1925
- JOSEPH BERKSON, of New York, S.B. College of the City of New York 1920; A.M. Columbia University 1922
- RICHARD CURRY BLACKWELL, of Florida, A.B. University of Virginia 1923
- THOMAS W. BLAKE, of Washington, S.B. Washington State College 1923
- HARVEY GARNER BLAND, of Virginia, A.B. Randolph-Macon College, 1923
- ALLAN PENNY BLOXSOM, of Texas, A.B. Rice Institute 1923
- CHARLES BOLLER, of New York, A.B. Williams College 1923
- JAMES BORDLEY III, of Maryland, Ph.B. Yale University 1923
- JOHN WILKINSON BRITTINGHAM, of Georgia, Ph.B. Georgetown University 1922 and A.M. 1923
- MADELAINE RAY BROWN, of Rhode Island, A.B. Bryn Mawr College 1920; A.M. Brown University 1923
- EDWARD FRANKLIN BUCHNER, JR., of Maryland, A.B. Johns Hopkins University 1923
- EARL L. BURKY, of Pennsylvania, S.B. University of Pennsylvania 1920 and S.M. 1922
- ELBERT HAYS CALDWELL, of Alabama, S.B. Alabama Polytechnic Institute 1923
- ELDRIDGE HOUSTON CAMPBELL, JR., of West Virginia, S.B. University of Virginia 1922; A.B. University of Oxford 1925
- WILLIAM MCNEILL CARPENTER, of South Carolina, S.B. Furman University 1922; A.B. University of North Carolina 1923
- KO KUEI CHEN, of Wisconsin, S.B. University of Wisconsin, 1920 and Ph.D. 1923
- MURRAY MARCUS COPELAND, of Georgia, A.B. Oglethorpe University 1923
- WILLIAM GAYLE CRUTCHFIELD, of Kentucky, A.B. University of Kentucky 1922
- SARAH S. DEITRICK, of Pennsylvania, A.B. Wellesley College 1918
- JAMES MILTON PARKER DOOLEY, of Illinois, S.B. Illinois Wesleyan University 1923
- HARRY SAMUEL EAGLE, of Maryland, A.B. Johns Hopkins University 1923
- FRANK R. FERLAINO, of New York, S.B. Princeton University 1922 and A.M. 1923
- ARTHUR IRVIN FINK, of Maryland, A.B. Johns Hopkins University 1923
- WHITMER BENNETT FIROR, of Pennsylvania, A.B. Johns Hopkins University 1923



- LOUIS BARKHOUSE FLEXNER, of Illinois, S.B. University of Chicago 1922
- CLESS YELVING FORDYCE, of West Virginia, A.B. West Virginia University 1922
- CHARLES GESCHICKTER, of the District of Columbia, A.B. George Washington University 1920 and A.M. 1922
- THOMAS CAMPBELL GOODWIN, of Virginia, S.B. and S.M. University of Virginia 1923
- ARDA ALDEN GREEN, of California, A.B. University of California 1921
- JAMES ROBERT HAMILTON, of Kentucky, A.B. University of Kentucky 1923
- IRVIN CLAY HANGER, of Virginia, A.B. and A.M. University of Virginia 1923
- HALDAN KEFFER HARTLINE, of Pennsylvania, S.B. Lafayette College 1923
- WILLIAM BRUCE HAWKINS, of Massachusetts, A.B. Amherst College 1922
- HENRY LOUIS HILGARTNER, JR., of Texas, A.B. Princeton University 1923
- HOWARD HANFORD HOPKINS, of Maryland, A.B. Johns Hopkins University 1923
- ERNST HUBER, of Switzerland, Sc.D. and Ph.D. University of Zurich 1917
- FRANCES ROBERTA JONES, of Tennessee, A.B. University of Tennessee 1919
- ALLEN IZARD JOSEY, of South Carolina, S.B. University of South Carolina 1923
- JOSEF ALFRED KINDWALL, of Minnesota, A.B. University of Minnesota 1922
- FRED RAYMOND LONDON, of Texas, A.B. Southwestern University 1923
- JOSEPH LEVY, of New York, S.B. College of the City of New York 1921; A.M. Johns Hopkins University 1923
- SAMUEL McLANAHAN, JR., of Maryland, A.B. Princeton University 1923
- MARVIN McDUGALD McLEAN, of the District of Columbia, S.B. Princeton University 1923
- LYMAN THOMPSON MEIKS, of Indiana, A.B. DePauw University 1923
- WILLIAM FELIX MENGERT, of Maryland, S.B. Haverford College 1921
- WILLIAM MARTIN MILLAR, of Pennsylvania, A.B. Lafayette College 1923
- JAY FREDERICK MILLER, of Oregon, A.B. University of Oregon 1922
- MEYER MILLER, of Maryland, A.B. Johns Hopkins University 1923
- WENDELL STANLEY MUNCIE, of Illinois, A.B. University of Illinois 1923
- PAUL PADGET, of Tennessee, A.B. University of Michigan 1923
- ORRA ALMIRA PHELPS, of New York, A.B. Mt. Holyoke College 1918
- HELEN SINCLAIR PITTMAN, of New York, A.B. Smith College 1921
- OSMER SAMUEL RANDALL, of Texas, A.B. University of Missouri 1923
- ANTOINE JOSEPH SCHNEIDER, of the District of Columbia, A.B. Catholic University of America 1922
- MARCUS SCHWARTZ, of New York, A.B. Columbia University 1923
- HUGH HOLLINGSWORTH SMITH, of South Carolina, A.B. Davidson College 1923
- WILBUR KENNETH SMITH, of Maryland, A.B. Johns Hopkins University 1923
- SLOAN GIFFIN STEWART, of New Jersey, S.B. Princeton University 1923
- RICHARD ADOLPH STIEFEL, of Ohio, A.B. Baldwin-Wallace College 1922
- AMANDA LOUISE STOUGHTON, of Connecticut, S.B. Johns Hopkins University 1924
- WILLIAM CURRY SULLIVAN, of New York, A.B. University of Rochester 1923
- CHARLES LOWERY SUTTLES, of Texas, A.B. Rice Institute 1921
- VIVIAN TAPPAN, of New Jersey, A.B. Barnard College 1919; A.M. Columbia University 1920
- HELEN BROOKE TAUSSIG, of Massachusetts, A.B. University of California 1921
- MADELINE JOSEPHINE THORNTON, of New York, A.B. Syracuse University 1923
- ELIZABETH HARBISON TORREY, of Oregon, A.B. University of Oregon 1923
- HARRY ORR VEACH, of Illinois, S.B. Northwestern University 1919; A.M. Harvard University 1922
- SAMUEL KENDIG WALLACE, of Maryland, A.B. Johns Hopkins University 1922
- HUGH WARREN, of Missouri, A.B. University of Michigan 1923
- WILLIAM VELPOE WILKERSON, of West Virginia, A.B. Ohio University 1921; S.M. Cornell University 1923
- RAYMOND WING, of Maryland, A.B. University of Texas 1923
- WALTER LAFOLLETTE WINKENWERDER, of Wisconsin, S.B. Beloit College 1923
- BLANDINA WORCESTER, of Massachusetts, A.B. Radcliffe College 1923
- BERNHARDT INGEMANN WULFF, of Connecticut, A.B. Yale University 1923
- CHARLES TINDAL YOUNG, of Georgia, S.B. Clemson College 1923

# RECIPIENT OF THE WILLIAM HENRY HOWELL AWARD

HALDAN KEFFER HARTLINE

## DOCTORS OF PHILOSOPHY

### WITH TITLES OF DISSERTATIONS

- LEONARD MASCOT BLUMENTHAL, of Georgia, B.S. in C.E. Georgia School of Technology 1923; S.M. University of Chicago 1924. Mathematics  
Lagrange Resolvents in Euclidean Geometry
- CARL BOECKNER, of Maryland, S.B. in Chem., Johns Hopkins University 1924. Physics  
A Method of Obtaining the Optical Constants of Metallically Reflecting Substances in the Infra Red.
- LOUIS JOSEPH BONDY, of Canada, A.B. University of Toronto 1917; A.M. University of Chicago 1924. French  
Le Classicisme de Ferdinand Brunetière
- HARRY LEE BOWEN, of Maryland, A.B. University of Virginia 1924; A.M. Johns Hopkins University 1926. History  
Anglo-German Relations, 1898-1902
- ROBERT MORRISS BROWNING, of Maryland, A.B. University of Iowa 1916; A.M. 1924. Psychology  
An Experimental Study of Association Processes
- HAROLD WILLIAM CHALKLEY, of Maryland, S.B. Mississippi Agricultural and Mechanical College 1924; A.M. Johns Hopkins University 1926. Zoology  
Changes in the Total Volume and in the Volumetric Ratio between Plasmagel and Plasmosol in Amoeba
- JOHN T. CHAPPELL, of Maryland, S.B. Guilford College 1913; A.M. Johns Hopkins University 1923. Chemistry  
Thermal Decomposition of Ozone. Ethyl Acetate Equilibrium in the Vapor Phase
- EVALYN ANNA CLARK, of New York, A.B. Vassar College 1924. Latin  
The Roman Army as an Agent in the Romanization of Gallia Comata
- HERBERT NEWELL COUCH, of Canada, A.B. University of Toronto 1924. Classical Archaeology  
Treasures of the Greeks and Romans
- GEORGE McMILLAN DARROW, of Maryland, A.B. Middlebury College 1910; A.M. Cornell University 1911. Plant Physiology  
Experimental Studies on Growth and Development in Strawberry
- HOWARD HUNTER DAVIS, of Maryland, A.B. University of Richmond 1923. History  
American Relations with the Kingdom of the Hawaiian Islands
- CHARLES EARLE DEAN, of Maryland, A.B. Harvard College 1921; A.M. Columbia University 1923. Physics  
Studies in Audition by Bone Conduction
- FRANCIS MARION DEFANDORF, of Maryland, B.E. Johns Hopkins University 1920; A.M. Harvard University 1923. Electrical Engineering  
Research on the Whitehead Alternating Current Corona Voltmeter with Reference to the Effect of Humidity
- RUSSELL DREW DRINKARD, of Virginia, S.B. University of Richmond 1923. Chemistry  
The Vapor Pressure of Alcoholic Soap Solutions at Elevated Temperatures
- FITZGERALD DUNNING, of Maryland, A.B. Johns Hopkins University 1924. Chemistry  
Organic Compounds of Antimony
- JANE FAULKNER GOODLOE, of Maryland, A.B. Wellesley College 1910; A.M. Columbia University 1922. Germanic Philology  
Nomina agentis auf -el im Deutschen
- CHARLES RANDALL HART, of Maryland, A.B. Williams College 1913; A.M. 1916. French  
Chateaubriand and Homer
- THOMAS HUGER HAZLEHURST, JR., of South Carolina, A.B. College of Charleston 1923. Chemistry  
A Study of the Reaction between Mercuric Chloride and Ammonium Oxalate
- CHRISTIAN PAUL HEINLEIN, of Maryland, A.B. Johns Hopkins University 1923. Psychology  
The Affective Characters of the Major and Minor Modes in Music
- JOSEPH KAPLAN, of Maryland, S.B. in Chemistry, Johns Hopkins University 1924. Physics  
Some Properties of Atomic Hydrogen
- MARINUS CORNELIS KIK, of Holland, Agr. Engr. Agricultural University of Wageningen, Holland 1923. Bio-Chemistry  
The Nutritive Value of Haddock and Herring (*Clupea harengus*)
- EDGAR LEE KINSEY, of Maryland, S.B. in Chemistry, Johns Hopkins University 1924; A.M. 1926. Physics  
The Fluorescence Spectrum of Sodium Vapor
- MAXWELL McMICHAEL KNECHTEL, of the District of Columbia, A.B. George Washington University 1923. Geology  
Ammonites of the Ellsworth Expedition from the Cretaceous of Peru
- ROBERT HARDING LUCE, of Minnesota, A.B. Carleton College 1922; A.M. Johns Hopkins University 1924. Zoology  
Response to Light and Electricity in Amoeba
- HARRY BOYD MARIS, of Maryland, A.B. University of Michigan 1910; S.M. in Forestry 1911. Physics  
Photo-Elasticity
- LOUIS WILLIAM MAX, of Maryland, A.B. Johns Hopkins University 1923. Psychology  
An Experimental Approach to the Motor Theory of Thought
- PAUL JOSEPH MCGRAW, of Pennsylvania, A.B. Mt. St. Mary's College 1919. Latin  
Local Cults in Northern Italy

- ROBERT MYERS MCKINNEY, of Maryland, A.B. Blue Ridge College 1924. Chemistry  
Direct Measurement of the Osmotic Pressure of Electrolytes
- EDWARD FORTUNE MILAN, of Maryland, S.B. in Chemistry, Johns Hopkins University 1924. Chemistry  
The Physical Chemical Study of Vanadium Pentoxide
- ELIZABETH LOWNDES MOORE, of West Virginia, A.B. Ohio State University 1919; A.M. 1922. French  
Lamartine and English Poetry
- ANDREW JACKSON NEWMAN, of Maryland, A.B. Washington University, St. Louis 1910; A.M. University of Missouri 1911. Political Economy  
The Element of Depreciation in Determination of Income Subject to Taxation
- MILTON OFFUTT, of Maryland, A.B. Princeton University 1921. History  
The Protection of Citizens Abroad by the Armed Forces of the United States
- ELEANOR J. PELLET, of Maryland, Ph.B. University of Chicago 1917; A.M. 1919. French  
Gabriel Gilbert
- HOWARD WILLIAM POST, of New York, S.B. in Chemistry Syracuse University 1919, S.M. 1921. Chemistry  
Nitration of Substituted Anilines
- LULA McDOWELL RICHARDSON, of Maryland, A.B. Goucher College 1916; A.M. Johns Hopkins University 1924. French  
The Forerunners of Feminism in French Literature of the Sixteenth and Seventeenth Centuries
- RICHARD IRWIN RUSH, of Virginia, A.B. Johns Hopkins University 1922. Chemistry  
A Study of the Structural Changes in Amorphous Materials
- DAVID MOSES SCHNEIDER, of Russia, E.E. University of Kieff 1921; A.M. Johns Hopkins University 1926. Political Economy  
The Workers' (Communist) Party and American Trade Unions
- RAPHAEL SEMMES, of Maryland, A.B. Princeton University 1912; LL.B. Harvard University 1916. History  
The Economic Beginnings of Maryland. 1634-1661
- HUGH MOLLESON SMALLWOOD, of Maryland, S.B. in Chemistry, Johns Hopkins University 1924. Chemistry  
I. An Attempt to Prepare Triatomic Hydrogen  
II. The Determination of Monatomic Hydrogen and Some of its Chemical Properties
- HARRY EDWARD SMITH, of Maryland, S.B. Johns Hopkins University 1924. Chemistry  
Studies in the Thickness of Adsorbed Vapor Films
- AGNES SNYDER, of Maryland, S.B. Johns Hopkins University 1922. Education  
The Value of Certain Measurements in the Training of Teachers (Experimentally Determined)
- EUNICE BURR STEBBINS, of Maryland, A.B. Smith College 1916. Classical Archaeology  
The Dolphin in the Literature and Art of Greece and Rome Including the Pre-Hellenic Civilizations
- CHARLES SWINGLE, of Maryland, S.B. in Agr. Kansas State Agricultural College 1920. Plant Physiology  
A Physiological Study of Rooting and Callusing
- UME TANGE, of Japan, S.M. Imperial University, Sendai 1918. Bio-Chemistry  
The Preparation and Properties of the Alophanates of Certain Sterols
- ROBERT VOSE TOWNEND, of Delaware, S.B. Massachusetts Institute of Technology 1914. Chemistry  
A New Method for Studying the Osmotic Pressure of Solutions
- FRANK VEIHMAYER, of California, B.S. in C.E. George Washington University 1912; C.E. 1913. Plant Physiology  
Some Factors Affecting the Irrigation Requirements of Deciduous Orchards
- HERBERT WENDER, of Georgia, A.B. Oglethorpe University 1920. History  
Southern Commercial Conventions (1837-1859)
- ARTHUR SIMEON WINSOR, of North Carolina, A.M. Mt. Allison University 1915. Mathematics  
The Composition of Homologies and of Homographies
- ZBYSZKO ZIELINSKI, of Poland, University of Lemberg 1924. Physics  
Absorption and Scattering of Mercury Vapor for the Line 2536



## MUSIC

The program is under the direction of Edwin L. Turnbull (A.B. 1893) and will be rendered by the Johns Hopkins Orchestra, with Bart Wirtz conducting. Charles H. Bochau, whose fine work as conductor for the past eight years has been greatly appreciated, retired in February for the remainder of the season. John Itzel conducted at the exercises on February 22nd, and Mr. Wirtz has conducted all rehearsals and concerts since then.

The Orchestra is maintained by the Johns Hopkins Musical Association, organized in 1919 for the promotion of good music in the University and community. The officers are E. L. Turnbull, *President*; F. H. Gottlieb, *Vice-President*; Frank Morley, *Secretary*; John B. Whitehead, *Treasurer*; S. Page Nelson, *Assistant Treasurer*; F. C. Smith, *Executive Secretary*; Anne Kinsolving, *Assistant Secretary*.

### OTHER PUBLIC APPEARANCES OF THE ORCHESTRA THIS SEASON:

- January 23rd—4 p. m. Concert, Baltimore Museum of Art.
- February 22nd—11 a. m. Johns Hopkins University Commemoration Exercises at the Peabody Institute.
- May 15th—4 p. m. Concert, Church Home.
- May 22nd—4 p. m. Concert, Sheppard and Enoch Pratt Hospital.
- May 24th—8.30 p. m. Concert, War Memorial Hall.
- May 29th—4 p. m. Concert, Johns Hopkins Hospital.
- June 12th—8 p. m. Concert, Homewood Campus.